



## KSD301 Thermostat, Thermal Protector, Temperature Control, Overheat Protector, Temperature Limiter, Thermal Protection

Our Product Introduction

for more products please visit us on [lk-thermistor.com](http://lk-thermistor.com)

### Basic Information

- Place of Origin: Dong Guan China
- Brand Name: lin kun
- Certification: ROHS,UL
- Model Number: KSD302
- Minimum Order Quantity: 5000 PCS
- Price: 0.045 USD/ PCS
- Packaging Details: Bulk,500pcs per polybag
- Delivery Time: 7 workdays
- Payment Terms: T/T
- Supply Ability: 20,000,000PCS per week



### Product Specification

- Type: Temperature Switch
- Application: Automobile
- Size: Small
- Voltage Characteristics: Safe Voltage
- Shape: SMD Type
- Fusing Speed: FF/Extra Fast
- Implementation Standard: National Standard
- Automatic Reset Function: Yes
- Maximum Voltage: 250 (V)
- Maximum Current: 25 (A)
- Holding Current: 10 (A)
- Operation Temperature: -30°C~300°C (°C)
- Temperature Control Range: -30°C~300°C (°C)
- Application Area: Household Appliances



### More Images



## Product Description

### KSD301 temperature control switch thermal protector thermostat

KSD301 series snap-action bimetallic protectors have an automatic reset function. They use the principle that the disc-shaped bimetallic strip will jump instantly under the action of temperature. Through the action of the mechanism, the contact point can be quickly operated to achieve the purpose of disconnecting or connecting the circuit. There are many specifications for you to choose from.

#### 1 Product Application

(1) Drinking machines, electric water bottles, Sanmei grilled food packaging machines, bowl washing machines, dryers, sterilization cabinets, microwave ovens, electric coffee pots, electric cooking pots, ice boxes, air conditioners, and other electric heating appliances.







(2) Public equipment

(3) Car seat heater, car frost protection device

KSD301 series thermal protection device installation method: installation of ordinary ring, installation of small round ring, installation of flat ring, installation of ordinary large aluminum cover with installation hole. Hole lengthening the aluminum cover.

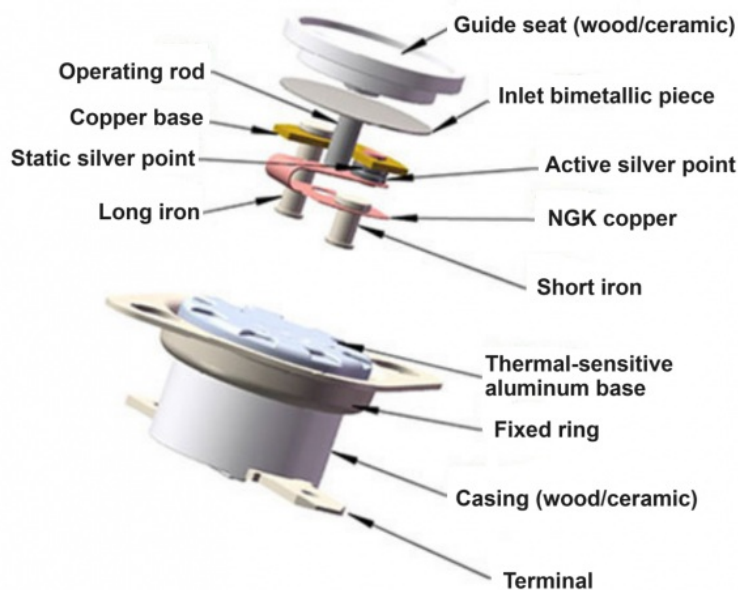
## Application scene

Product mini installation  
convenience, application scope

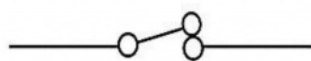
 <p style="background-color: red; color: white; padding: 2px 5px; display: inline-block;">Paper crusher</p>	 <p style="background-color: red; color: white; padding: 2px 5px; display: inline-block;">Heater pot</p>	 <p style="background-color: red; color: white; padding: 2px 5px; display: inline-block;">Bean grinder</p>
 <p style="background-color: red; color: white; padding: 2px 5px; display: inline-block;">Heater plate</p>	 <p style="background-color: red; color: white; padding: 2px 5px; display: inline-block;">Heater mat</p>	 <p style="background-color: red; color: white; padding: 2px 5px; display: inline-block;">Heater tube</p>

Support more scenes,  
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#### 2 Appearance and structure:



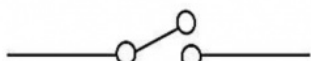
#### How to distinguish between normally closed and normally open



Normally closed schematic diagram

#### Normally closed

The contacts of the temperature switch are closed in the original state, and open when the sensed temperature exceeds the rated temperature.



Normally open schematic diagram

#### Normally open

The contacts of the temperature switch are open in the original state, and they close when the sense temperature exceeds the rated temperature.

### 3. Performance

#### 3.1 Technical parameters

Voltage: 1-250V

Model: KSD301

Contact current: <50mA

Current: 10-20A

Contact type: normally closed/normally open

Volume: small

Temperature control range: -10 °C-300 °C

Operating life: ≥ 100,000 times

Reverse temperature: Operating temperature drop 10 °C-45 °C

Application: household appliance temperature control and protection

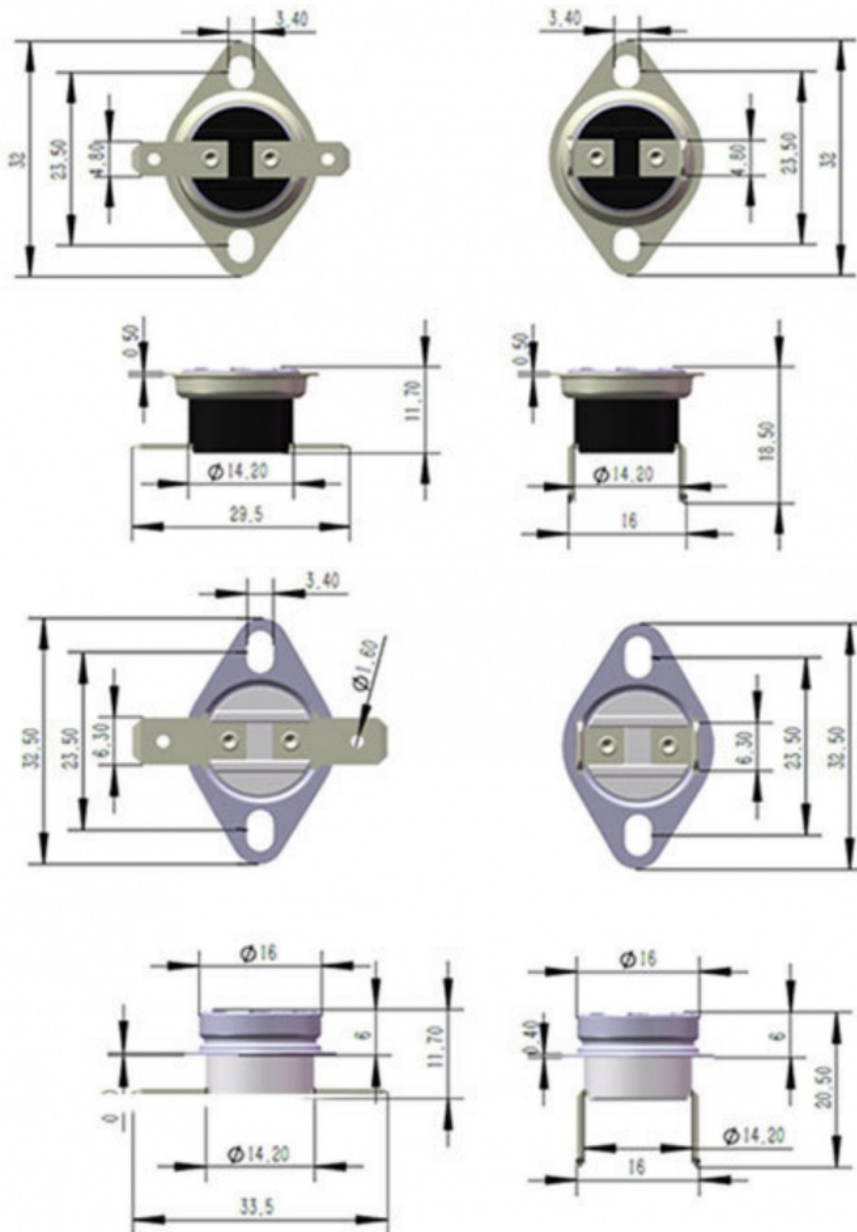
Electricity strength: AC 1500V/min, no punching

#### 3.2 Product specifications can be customized from -20°C to 300°C

Action temperature (°C)	Action temperature error (°C)	Recovery temperature (°C)	Action temperature (°C)	Action temperature error (°C)	Recovery temperature (°C)
25	±5	15±5	100	±5	90±5
30	±5	20±5	105	±5	95±5
35	±5	25±5	110	±5	100±5
40	±5	30±5	115	±5	105±5
45	±5	35±5	120	±5	110±5
50	±5	40±5	125	±5	115±5

55	±5	45±5	130	±5	120±5
60	±5	50±5	135	±5	125±5
65	±5	55±5	140	±5	130±5
70	±5	60±5	150	±5	140±5
75	±5	65±5	160	±5	150±5
80	±5	70±5	170	±5	160±5

### 3.3 Dimensions:



Linkun Electronics provides you with personalized customization services. Customized selection according to customer product requirements, **free** **proofing!** For details, please consult online customer service!



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